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Electronic Filing System (EFS) Data

Electronic Patent Application Submission

USPTO Use Only

EFS ID: 53331
Application ID: 10667759 

Title of Invention: METHODS OF MAKING THIN
INTEGRATED CIRCUIT DEVICE
PACKAGES WITH IMPROVED
THERMAL PERFORMANCE

First Named Inventor: Sean Crowley

Domestic/Foreign Application: Domestic Application

Filing Date: 2003-09-22

Effective Receipt Date: 2004-01-08

Submission Type: Information Disclosure
Statement

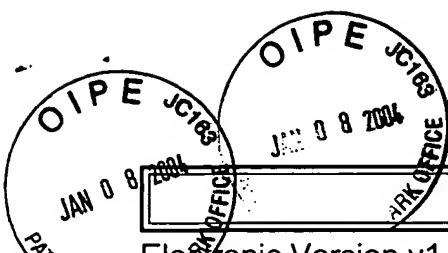
Filing Type:

Confirmation number: 1384

Attorney Docket Number: AMKOR022CB

Total Fees Authorized:

Digital Certificate Holder: cn=Mark B. Garred,ou=Registered Attorneys,ou=Patent and Trademark
Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: 01276052a00dd05037964c3af73c26a076736a9a



TRANSMITTAL

Electronic Version v1.1
Stylesheet Version v1.1.0

Title of Invention	METHODS OF MAKING THIN INTEGRATED CIRCUIT DEVICE PACKAGES WITH IMPROVED THERMAL PERFORMANCE	
Application Number:	10/667759 	
Date:	2003-09-22	
First Named Applicant:	Sean T. Crowley	
Confirmation Number:	1384	
Attorney Docket Number:	AMKOR022CB	
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Submitted by:	Elec. Sign.	Sign. Capacity
Mark B. Garred Registered Number: 34,823	/mbg/	Attorney
Documents being submitted us-ids	Files ids6-usidst.xml us-ids.dtd us-ids.xsl	
Comments		



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

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Application Number:	10/667759 						
Confirmation Number:	1384						
First Named Applicant:	Sean Crowley						
Attorney Docket Number:	AMKOR022CB						
Art Unit:	2811						
Search string:	(6395578 or 6400004 or 6410979 or 6414385 or 6420779 or 6429508 or 6437429 or 6444499 or 6448633 or 6452279 or 6464121 or 6476469 or 6476474 or 6482680 or 6498099 or 6498392 or 6507096 or 6507120 or 6534849 or 6559525 or 6566168).pn.						
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1	6395578	2002-05-28	SHIN ET AL.				
2	6400004	2002-06-04	FAN ET AL.				
3	6410979	2002-06-25	ABE				
4	6414385	2002-07-02	HUANG ET AL.				
5	6420779	2002-07-16	SHARMA ET AL.				
6	6429508	2002-08-06	GANG				
7	6437429	2002-08-20	SU ET AL..				
8	6444499	2002-09-03	SWISS ET AL.				
9	6448633	2002-09-10.	YEE ET AL.				
10	6452279	2002-09-17	SHIMODA				
11	6464121	2002-10-15	REIJNDERS				
12	6476469	2002-11-05	HUNG ET AL.				
13	6476474	2002-11-05	HUNG				
14	6482680	2002-11-19	KHOR ET AL.				

	15	6498099	2002-12-24	MCLELLAN ET AL.
	16	6498392	2002-12-24	AZUMA
	17	6507096	2003-01-14	GANG
	18	6507120	2003-01-14	LO ET AL.
	19	6534849	2003-03-18	GANG
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	21	6566168	2003-05-20	GANG

Signature

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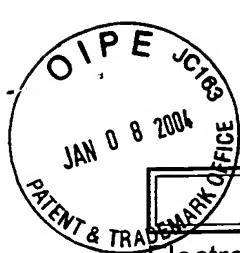
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EFS ID: 53330
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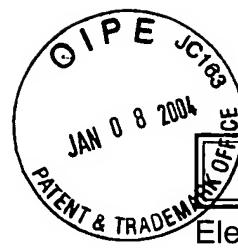
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Certificate Message Digest: cab4ed4a2fe9593101f5d879890467cfc8af423b



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Application Number:	10/667759 						
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First Named Applicant:	Sean Crowley						
Attorney Docket Number:	AMKOR022CB						
Art Unit:	2811						
Search string:	(6197615 or 6198171 or 6201186 or 6201292 or 6204554 or 6208020 or 6208021 or 6208023 or 6211462 or 6218731 or 6222258 or 6225146 or 6229200 or 6229205 or 6239367 or 6239384 or 6242281 or 6256200 or 6258629 or 6281566 or 6281568 or 6282095 or 6285075 or 6291271 or 6291273 or 6294100 or 6294830 or 6295977 or 6297548 or 6303984 or 6303997 or 6307272 or 6309909 or 6316822 or 6316838 or 6323550 or 6326243 or 6326244 or 6326678 or 6335564 or 6337510 or 6339255 or 6348726 or 6355502 or 6369447 or 6369454 or 6373127 or 6380048 or 6384472 or 6388336).pn.						
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6197615	2001-03-06	SONG ET AL			
	2	6198171	2001-03-06	HUANG ET AL			
	3	6201186	2001-03-13	DANIELS ET AL			
	4	6201292	2001-03-13	YAGI ET AL			
	5	6204554	2001-03-20	EWER ET AL			
	6	6208020	2001-03-27	MINAMIO			
	7	6208021	2001-03-27	OHUCHI ET AL			
	8	6208023	2001-03-27	NAKAYAMA ET AL			

9	6211462	2001-04-03	CARTER, JR. ET AL
10	6218731	2001-04-17	HUANG ET AL.
11	6222258	2001-04-24	ASANO ET AL
12	6225146	2001-05-01	YAMAGUCHI ET AL
13	6229200	2001-05-08	MCLELLAN ET AL
14	6229205	2001-05-08	JEONG ET AL
15	6239367	2001-05-29	HSUAN ET AL.
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17	6242281	2001-06-05	MCLELLAN ET AL
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19	6258629	2001-07-10	NIONES ET AL
20	6281566	2001-08-28	MAGNI
21	6281568	2001-08-28	GLENN ET AL.
22	6282095	2001-08-28	HOUGHTON ET AL.
23	6285075	2001-09-04	COMBS ET AL.
24	6291271	2001-09-18	LEE ET AL.
25	6291273	2001-09-18	MIYAKI ET AL.
26	6294100	2001-09-25	FAN ET AL.
27	6294830	2001-09-25	FJELSTAD
28	6295977	2001-10-02	RIPPER ET AL.
29	6297548	2001-10-02	MODEN ET AL.
30	6303984	2001-10-16	CORISIS
31	6303997	2001-10-16	LEE
32	6307272	2001-10-23	TAKAHASHI ET AL.
33	6309909	2001-10-30	OHGIYAMA
34	6316822	2001-11-13	VENKATESHWARAN ET AL.
35	6316838	2001-11-13	OZAWA ET AL.
36	6323550	2001-11-27	MARTIN ET AL.
37	6326243	2001-12-04	SUZYA ET AL.
38	6326244	2001-12-04	BROOKS ET AL.
39	6326678	2001-12-04	KARMEZOS ET AL.
40	6335564	2002-01-01	POUR
41	6337510	2002-01-08	CHUN-JEN ET AL.
42	6339255	2002-01-15	SHIN
43	6348726	2002-02-19	BAYAN ET AL.
44	6355502	2002-03-12	KANG ET AL.

	45	6369447	2002-04-09	MORI
	46	6369454	2002-04-09	CHUNG
	47	6373127	2002-04-16	BAUDOUIN ET AL.
	48	6380048	2002-04-30	BOON ET AL.
	49	6384472	2002-05-07	HUANG
	50	6388336	2002-05-14	VENKATESHWARAN ET AL.

Signature

Examiner Name	Date



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Electronic Patent Application Submission

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EFS ID: 53329
Application ID: 10667759 

Title of Invention: METHODS OF MAKING THIN
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THERMAL PERFORMANCE

First Named Inventor: Sean Crowley

Domestic/Foreign Application: Domestic Application

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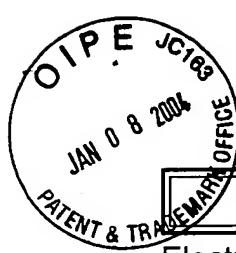
Filing Type:

Confirmation number: 1384

Attorney Docket Number: AMKOR022CB

Total Fees Authorized:

Digital Certificate Holder: cn=Mark B. Garred,ou=Registered Attorneys,ou=Patent and Trademark
Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: fed01062b574f6811637700ff5d29a443f86583c



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Date:	2003-09-22	
First Named Applicant:	Sean T. Crowley	
Confirmation Number:	1384	
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Submitted by:	Elec. Sign.	Sign. Capacity
Mark B. Garred Registered Number: 34,823	/mbg/	Attorney
Documents being submitted us-ids	Files ids4-usidst.xml us-ids.dtd us-ids.xsl	
Comments		



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Electronic Version v18

Stylesheet Version v18.0

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Application Number:	10/667759 				
Confirmation Number:	1384				
First Named Applicant:	Sean Crowley				
Attorney Docket Number:	AMKOR022CB				
Art Unit:	2811				
Search string:	(5909053 or 5915998 or 5917242 or 5939779 or 5942794 or 5951305 or 5959356 or 5969426 or 5973388 or 5976912 or 5977613 or 5977615 or 5977630 or 5981314 or 5986333 or 5986885 or 6001671 or 6013947 or 6018189 or 6020625 or 6025640 or 6031279 or RE36613 or 6034423 or 6040626 or 6043430 or 6060768 or 6060769 or 6072228 or 6075284 or 6081029 or 6084310 or 6087715 or 6087722 or 6100594 or 6113474 or 6118174 or 6118184 or 6130115 or 6130473 or RE36907 or 6133623 or 6140154 or 6143981 or 6169329 or 6177718 or 6181002 or 6184465 or 6184573 or 6194777).pn.				
US Patent Documents					
Note: Applicant is not required to submit a paper copy of cited US Patent Documents					
init	Cite.No.	Patent No.	Date	Patentee	Kind
	1	5909053	1999-06-01	FUKASE ET AL.	Class
	2	5915998	1999-06-29	STIDHAM ET AL.	Subclass
	3	5917242	1999-06-29	BALL	
	4	5939779	1999-08-17	KIM	
	5	5942794	1999-08-24	OKUMURA ET AL.	
	6	5951305	1999-09-14	HABA	
	7	5959356	1999-09-28	OH	
	8	5969426	1999-10-19	BABA ET AL.	

9	5973388	1999-10-26	CHEW ET AL.
10	5976912	1999-11-02	FUKUTOMI ET AL.
11	5977613	1999-11-02	TAKATA ET AL
12	5977615	1999-11-02	YAMAGUCHI ET AL.
13	5977630	1999-11-02	WOODWORTH ET AL.
14	5981314	1999-11-09	GLENN ET AL.
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16	5986885	1999-11-16	WYLAND
17	6001671	1999-12-14	FJELSTAD
18	6013947	2000-01-11	LIM
19	6018189	2000-01-25	MIZUNO
20	6020625	2000-02-01	QIN ET AL.
21	6025640	2000-02-15	YAGI ET AL.
22	6031279	2000-02-29	LENZ
23	RE36613	2000-03-14	BALL
24	6034423	2000-03-07	MOSTAFAZADEH
25	6040626	2000-03-21	CHEAH ET AL.
26	6043430	2000-03-28	CHUN
27	6060768	2000-05-09	HAYASHIDA ET AL.
28	6060769	2000-05-09	WARK
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30	6075284	2000-06-13	CHOI ET AL.
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32	6084310	2000-07-04	MIZUNO ET AL.
33	6087715	2000-07-11	SAWADA ET AL.
34	6087722	2000-07-11	LEE ET AL.
35	6100594	2000-08-08	FUKUI ET AL.
36	6113474	2000-09-05	COSTANTINI ET AL.
37	6118174	2000-09-12	KIM
38	6118184	2000-09-12	ISHIO ET AL.
39	6130115	2000-10-10	OKUMURA ET AL.
40	6130473	2000-10-10	MOSTAFAZADEH ET AL.
41	RE36907	2000-10-10	TEMPLETON, JR ET AL
42	6133623	2000-10-17	OTSUKI ET AL.
43	6140154	2000-10-31	HINKLE ET AL
44	6143981	2000-11-07	GLENN

	45	6169329	2001-01-02	FARNWORTH ET AL
	46	6177718	2001-01-23	KOZONO
	47	6181002	2001-01-30	JUSO ET AL
	48	6184465	2001-02-06	CORISIS
	49	6184573	2001-02-06	PU
	50	6194777	2001-02-27	ABBOTT ET AL

Signature

Examiner Name	Date



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EFS ID: 53328

Application ID: 10667759



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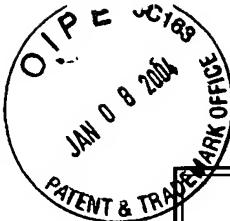
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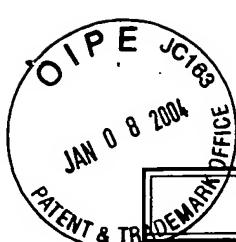
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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5640047	1997-06-17	NAKASHIMA			
	2	5641997	1997-06-24	OHTA ET AL.			
	3	5643433	1997-07-01	FUKASE ET AL.			
	4	5644169	1997-07-01	CHUN			
	5	5646831	1997-07-08	MANTEGHI			
	6	5650663	1997-07-22	PARTHASARANTHI			
	7	5661088	1997-08-26	TESSIER ET AL.			
	8	5665996	1997-09-09	WILLIAMS ET AL.			

9	5673479	1997-10-07	HAWTHORNE
10	5683806	1997-11-04	SAKUMOTO ET AL.
11	5689135	1997-11-18	BALL
12	5696666	1997-12-09	MILES ET AL.
13	5701034	1997-12-23	MARRS
14	5703407	1997-12-30	HORI
15	5710064	1998-01-20	SONG ET AL.
16	5723899	1998-03-03	SHIN
17	5724233	1998-03-03	HONDA ET AL.
18	5736432	1998-04-07	MACKESSY
19	5745984	1998-05-05	COLE, JR. ET AL.
20	5753532	1998-05-19	SIM
21	5753977	1998-05-19	KUSAKA ET AL.
22	5766972	1998-06-16	TAKAHASHI ET AL.
23	5770888	1998-06-23	SONG ET AL.
24	5776798	1998-07-07	QUAN ET AL.
25	5783861	1998-07-21	SON
26	5801440	1998-09-01	CHU ET AL.
27	5814877	1998-09-29	DIFFENDERFER ET AL.
28	5814881	1998-09-29	ALAGARATNAM ET AL.
29	5814883	1998-09-29	SAWAI ET AL.
30	5814884	1998-09-29	DAVIS ET AL.
31	5817540	1998-10-06	WARK
32	5818105	1998-10-06	KOUDA
33	5821457	1998-10-13	MOSLEY ET AL.
34	5821615	1998-10-13	LEE
35	5834830	1998-11-10	CHO
36	5835988	1998-11-10	ISHII
37	5844306	1998-12-01	FUJITA ET AL.
38	5856911	1999-01-05	RILEY
39	5859471	1999-01-12	KURAISHI ET AL
40	5866939	1999-02-02	SHIN ET AL.
41	5871782	1999-02-16	CHOI
42	5874784	1999-02-23	AOKI ET AL.
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45	5886398	1999-03-23	LOW ET AL.
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48	5900676	1999-05-04	KWEON ET AL.
49	5903049	1999-05-11	MORI
50	5903050	1999-05-11	THURAIRAJARATNAM ET AL.

Signature

Examiner Name	Date